THE EFFECT OF USING PEER TUTORIAL METHOD IN TEACHING SPEAKING OF SMP NEGERI 2 ANGKOLA TIMUR

Oleh:

ABDUL RAHMAN SIAGIAN Program Studi Pendidikan Bahasa Inggris UMTS Padangsidimpuan Email: <u>Abdul.rahman@um-tapsel.ac.id</u>

Abstract

The researcher conducted this research at the Grade VIII Students of SMP Negeri 2Angkola Timur. The aims of this research was to find out is there a significant effect of using peer tutorial method in speaking ability of SMP Negeri 2 Angkola Timur. In achieving the purposes of this research, the writer carried out in quantitative approach by applying experimental method. The population of this research was 80 students and the writer uses total sampling technique to get of students. The speaking ability was applied as the instrument of this research; the writer used "t" test formula.Based on the data that has been analyzed, it can be found that (1) the students' achievement of speaking was "very good" (80,5), (2) there is a significant effect of using peer tutorial method in speaking ability of SMP Negeri 2 Angkola Timur.

Key Words: Peer Tutorial Method, Teaching Speaking

INTRODUCTION

English is a very important language that is used by many people in various countries. It is very useful for us and our future. English is the first language in many aspects in life, such as in everyday life, business, information technology, education especially senior high school and university education, and many other aspects.

Speaking is truly basic skill in language learning because it is frequently used in daily life to carry out conversation with others and often measured as the success of learning foreign language. Thus, many students regard speaking as the most important skill they can acquire and assess for their progress in accomplishing spoken communication. Through speaking the speaker convey his/her idea or knowledge in verbal form.

Speaking has important role because it is as a tool of communication in learning English. Thus, the students should prepare themselves to get more knowledge related to English in particularly and others in general. In junior high school curriculum, speaking ability to inform or aim has to communicate information. Depdiknas (2006:2) stated that purpose of teaching English in junior high school, the students were able to communicate in

informational level namely transactional and intransactional. It meant that the students should able to develop their communicate competency in orally or written level.

Looking at the above purpose, there were many efforts to hold them, such as: applying the suitable method, prepare the effective teaching. giving motivation, facilities, and so forth. Another way that can be applied to get the aim is prepare the material which support teaching English, such as: motivating the students, arising students' self confidence, pronunciation, phonology mastery, gesture, and so on.

In the field, the teaching speaking of students is still far from the expectation. This is known from first observation to the grade VIII students of SMP Negeri 2Angkola Timur. As the result, the writer got the fact was supported with average score of the students. Majority (more than 60%) of the students had 70 in students' list of value(Daftar Kumpulan Nilai: DKN) for English subject, while their minimal target in minimal target score(Kriteria Ketuntasan Minimal; KKM) was 70. It meant that the students could not get their target in English subject. Thus, it could be said that the students still had problem in teaching English, especially in speaking ability.

By seeing the problem above, the researcher assumed that there were many factors that influenced the successfulness of the students in speaking ability. The factors were: motivation, interest, part of speech, pronunciation, phonology mastery, and gesture, personality of the teacher, environment, and teaching method.

Considering to the above condition, teaching method had important role in increasing the speaking ability of students. It was because teaching method provided specific steps which can be used toward teaching and learning process, especially to teaching the speaking ability.

Actually, there are many teaching methods which can be used in teaching speaking ability, such as: peer tutorial method, sociodrama method, demonstration method, inquiry method, discussion method, cooperative method, and so forth. Thus, for this case, the writer thinks that the suitable methods which can be used to solve the students' condition above are peer tutorial method.

Peer tutorial method is a student will be asked to be a tutor and mentor for the other friends, whereby fellow teachers, as each other's colleagues, conduct cycles of clinical supervision with each other with the overall coordination of a facilitator/leader. A smarter student has a responsibility for his or her friend in the group.

1. The Nature of Speaking Ability

Speaking is one of important aspect in communication. Speaking is an interactive process of meaning that constructing involves producing and processing receiving and information. It also can be said as transferring the information from the speaker to the hearer.

According Nation and Newton (2009: 1) speaking is elements of learning language which focused to learning meaning-focused through output; where the learner's attention is on conveying ideas and messages to another person. It means that speaking is an element of learning language which is focused to convey ideas and messages to others orally. It also indicates speaking that should be focused on the output or product of the information.

Brown (2004: 140) says that defines speaking as a productive skill that can be directly and empirically observed; those observations are invariably colored by the accuracy and effectiveness of a test- taker's listening skill, which necessarily compromises the reliability and validity of an oral production test.

From those statements above, the researcher can conclude that speaking is an activity involving 2 or more people in which the participants are both the listeners and the speakers having to act what they listen and make their contribution at high speed. According to Ochs and Klinker which is quoted byJuli(2012: 166) say that speaking is also the mixture to inform and entertain and persuade.

WhileSanggamSiahaan says, "Speaking is the spoken productive language skill."

Similarly, Louma (2009: 15) said that in speaking, the word order does not seem 'broken' in any sense, however, since the aim is to emphasize the topic". It means that in speaking the sense of the topic is the important. In this case, in speaking process the speaker should pay attention to the sense of information is being conveyed. It means that the topic should be kept.

Furthermore, Barras (2009: 16) said that speaking is process to convey more information and make your point more forcefully if you make eye contact with each listener than if you rely on words alone. As a result of such non-verbal communication, those involved in a conversation or discussion understand more than is actually said whereas _ listeners recorded to a conversation can learn only from what was said. Automatically the speaking is conveying more information and makes your point more forcefully to the listener. Therefore, the listener can learn the ideas through what is said by the speaker.

Furthermore, Hedge (2008: 261) said that speaking as communicative approach have developed, teachers have been concerned to ensure that students not only practice speaking in a controlled way in order to produce feature of pronunciation, vocabulary, and structure accurately, but also practice using these features more freely in purposeful communication. It means that to get communicative approach in speaking, teachers should teach the students the using of pronunciation, vocabulary, and structure accurately. Therefore, the indicators which are used in speaking ability for this research are: a) grammar, b) pronunciation, and c) vocabulary.

Based on the quotation above, the reseacher concludes that vocabulary is medium to manage and organize conversation. It is also used to improve language aspects. Therefore, vocabulary is one of successful aspect in language learning because vocabulary is builtby some words, and it is known that words is basis for speaking.

2. The Nature of Peer Tutorial Method

Teaching is defined the way taht is used by the teacher or instructor in doping his/her functions as a tool for learning achievement. Teaching method contains certain steps that are arranged procedurally.Syaiful Sagala (2003:201) says that all teaching method that are used must be related to the goals of teaching learning process, hence, the teacher should understand the function, steps in a teaching method.

Tutorial method is the terminology of teaching and learning process by giving counseling to the student. Tutorial can be given by the teacher to their student (peer tutorial) or other people as a guest (guest tutorial), or other students whose class is higher (cross-age tutorial).

This teaching method was invented by Socrates. It sprang from the character of the Greek people who loved asking question and arguing them out. In the process of answering questions on the part of the students, was made to realize that knowledge and truth were in the students' own power to find. If they care to search long enough and hard enough. It is in the combination of these two assumptions, namely: the critical method and positive purposes of self-assertion, where the essence of tutorial method lies.

According to Duch et al (2001:42), "Peer or near-peer tutors can be utilized to extend the ability to check the functioning of individual groups and assure that the group discussions probe for deeper levels of understanding". The aim of the method is the situation how to the level increase of knowledge and understanding of the leader to transfer his/ her ability about the learning material.

Similarly, Glickman (2002:14)said that peer coaching is a structure whereby fellow teachers, as each other's colleagues, conduct cycles of clinical supervision with each other with the overall coordination of a facilitator/leader. It means that peer learning is a process that involves two or more individuals who integrate verbally and facedly about certain aims and goals through informational sharing, selfmaintenance or problem solving by their own, a smarter student as a leader that has a responsibility to other friend in the group, so a smarter toteachhis/her studenttrying friendtohave an insight, а similarunderstanding. In addition, the aim of this method is to make a process transferring understanding about the learning material more easier, because a smarter student has a good responsibility to her/ his friend.

Ehli dan Larsen in Atwi Suparman (1997:205) said that learnt through tutorial is more increase of material mastery, democratic and give advantages to both tutor and tutee. The main pointed of the quotation are democratic and give advantages to both tutor and tutee. It means that tutorial methods make the student

more democratic, by giving same opportunities to other students as a tutor in the teaching and learning process. another word. Oemar In Hamalik (2001:73) said that tutorial is learning by giving counseling formed, helping, guiding, and motivating in order the students study efficiently and effectively. It meant that tutorial method is a form of counseling and learning helping that is very potential to improve the students' achievement. Therefore, tutor gets positive effect to the students, to make tutorial method well. а teacher/tutor must be tried in order to give him skill for giving counseling and learning helping.

Based on the explanation previously, the researcher concludes that peer tutorial method is a teaching method in which one student is chosen by the teacher to be a tutee. It is of course, in choosing the teacher takes some consideration. Peer tutorial as a teaching method is highly favorable in assuring the realization of widely held objectives of a collage general education, selfnamely: understanding, critical and analytical thinking, creative self-expression, intelligent application of knowledge to life-situation, and oral and written facility.

METHODOLOGY OF RESEARCH

This research was conducted at the SMP Negeri 2 Angkola Timur. The reasons why the researcher took this school as location of the research because this school active in teaching and learning process. Thus, the data that was needed in this research can be found in the school. Next, this research will be run about three months. The writer worked to collect data, analyzed, and make a research report.

In conducting this research, experimental research design is used to look whether there is an effect of the treatment to certain ability in teaching and learning process. Then, one class design experimental class can be done if it just have one treatment. Therefore, 0_1 is used to show the teaching and learning process without the treatment and the other one it tends to the teaching and learning by using the treatment. In this case, expository method is used as certain treatment and it will be applied in 0_2 . Therefore, to know how the treatment gives an effect, it should be compared between result on 0_1 and 0_2 . In other words, comparing between pre-test and post-test show how the treatment gives its effect on experimental research.

Furthermore, it can be said that ppopulation has been planned to be a target of generalization or conclusion. Hence, the researcher determines to takes the of SMP Negeri 2Angkola Timur with 80 students. To have the sample, the researcher usedtotal sampling. In getting data of the research, the researcher uses observationa dn test. Then the researcher takes descriptive and statistic analysis by t-Test to analyze the data.

RESULT OF THE RESEARCH

After analysing the data, the researcher get three results. In this case, the writer shows them into these elaboration.

1. Result of Teaching Speaking in Pretest

The lowest distribution score of students after conducting the peer tutorial method is 55 and the highest score is 85. It is concluded in order to know the description of the data, from the calculation. The writer served them on the following table:

Table 1

The Data of Speaking Ability in Post-test.

No	Students' Name	Score
1.	Abdul Wahid	70
2.	Ahmad Syafii	70

3.	Amirul Saddad	65	
4.	Bella Hassa	80	
5.	Basirun	60	
<i>5</i> .	Desi	70	
0. 7.	Edi iskandar	65	
7. 8.		70	
о. 9.	Endang Sari Fahrian Rifandi	70 80	
		65	
10.	Hidayat		
11.	Irfan Maseh	65	
12.	Khodijah	75	
10	matondang	75	
13.	Muhammad	75	
1.4	Rahim	70	
14.	Nur Ainun	70	
15.	Nilada Maya Sari	65	
16.	Nita Aprilia	80	
17.	Parlugutan	65	
18.	Pauzan Ashar	60	
19.	Rahmadani	65	
20.	Rahma	75	
21.	Rahmi	75	
22.	Rohimah	70	
23.	Rafi Aulia Rozi	65	
24.	Resi adelia	75	
25.	Rahmad rifaii	70	
26.	Rini Kartika	60	
27.	Lesma Yunita	85	
28.	Sulhardi	55	
29	Siti Aisyah	85	
30.	Madung Yusuf	70	
31.	Aprida	55	
32.	Tasya Syabila	85	
33	Ulil Amri	70	
34	Ilham Rozani	70	
35	Indra Kurniawan	80	
36	Haddad Fadli 60		
20	lubis		
37	Masdewi	70	
38	Boy Irwan	55	
39	Tarmizi 70		
40	Syawaldi	60	
	5		
Total		2775	

From the table above, It was found that.

The sum of the students' consisted of 40 students was 2775. Then, it was found that the higest score was 85 and the lowest was 55. Further, It is found that the average or mean is 69.3 the median is 75 and the mode is 70. It is categorized "Enough". To make it clear, the description of mean, median and modus can be seen as following table

a. Mean

Mean was very important to get the true score. First, the writer must calculate the sum of the score and then the score can be divided to the number of the students. Order to be clear, the writer presented them in the formula as follows:

$$M_{y} = \frac{\sum X}{N}$$

Where:

M = students' mean score

X = sum of the students' score

N = the number of students

$$=\frac{2775}{40}$$

= 69.3

Referred to the calculation above, the means score was 69.3. thus,

it was known that almost of the students to produce good pronunciation, grammar and vocabulary. But some of them are still weak in pronunciation, grammar and vocabulary. Furthermore, it needed to train in order to get the good teaching speaking.

b. Median

Median of the data was 80 - 80. Median took from divided the all data into two part. And then, took the score in the middle. In order to be clear and brief the writer served it on the following:

$$Mey = \frac{70 + 70}{2}$$
$$= 70$$

From the calculation the median was 70.

c. Mode

Mode is the value that often to be showed. The data must be rows to get the true mode. The data like: 55 - 55 -55 - 60 - 60 - 60 - 60 - 65 -65 - 65 - 65 - 65 - 65 - 65 -65 - 70 - 70 - 70 - 70 - 70 - 70 -70 - 70 - 70 - 70 - 70 - 70 - 70 -80 - 80 - 85 - 85 - 85. From the data rows, the researcher could get the mode was 70.

2. Result of Teaching Speaking in Post-test

After collecting the data, it was found that the lowest score of the students before conducting the peer tutorial method the lowest score is 65 and the highest score is 95. It is concluded in order to know the description of the data, from the calculation.

Table 2

The Data of Speaking Ability in Pretest

No	Students' Name	Score
1.	Abdul Wahid	65
2.	Ahmad Syafii	85
3.	Amirul Saddad	70
4.	Bella Hassa	75
5.	Basirun	80
6.	Desi	75
7.	Edi iskandar	90
8.	Endang Sari	80
9.	Fahrian Rifandi	80

10.	Hidayat	65
11.	Irfan Maseh	85
12.	Khodijah	75
	matondang	10
13.	Muhammad	80
	Rahim	
14.	Nur Ainun	85
15.	Nilada Maya Sari	70
16.	Nita Aprilia	90
17.	Parlugutan	85
18.	Pauzan Ashar	75
19.	Rahmadani	90
20.	Rahma	80
21.	Rahmi	80
22.	Rohimah	90
23.	Rafi Aulia Rozi	65
24.	Resi adelia	80
25.	Rahmad rifaii	80
26.	Rini Kartika	75
27.	Lesma Yunita	80
28.	Sulhardi	90
29	Siti Aisyah	70
30.	Madung Yusuf	80
31.	Aprida	85
32.	Tasya Syabila	95
33	Ulil Amri	80
34	Ilham Rozani	70
35	Indra Kurniawan	95
36	Haddad Fadli	85
	lubis	
37	Masdewi	80
38	Boy Irwan	80
39	Tarmizi	95
40	Syawaldi	85
Total		3220

From

That the sum of the students' consisted of 40 students was 3220. Then, it was found that the higest score was 95 and the lowest was 65.Thus, average or mean is 80.5, the median is 80 and the mode is 80. The categorized is "very good". To make it clear, the description of mean, median and modus can be seen as following table:

a. Mean

Mean is the numeral that represent to all the data in average. The mean was very important because to know the average of the students' value. The calculation can be seen on the following:

$$M = \frac{\sum X}{N}$$

Where:

M = students' mean score

X = sum of the students' score

N = the number of students

$$M = \frac{3220}{40}$$

= 80.5

Based on the calculation above, the writer had found that the mean was 80.5. Furthermore, it was almost of all the students got score in exceed of the average. Therefore, they still difficult in pronounciation. It meant that they needed to increase their pronunciation.

b. Median

Median is the center of value which was taken from the rows data. The data must have arrangement from lowest to the highest score. As showed in the previous table, it was teaching speaking in pre-test. The data such as: 65 - 65 - 65 - 70 - 70 - 70 - 70 Median of the data was 80 – 80. Median took from devided the all data into two part. And then, took the score in the midle. In order to be clear and brief the writer served it on the following:

$$Me_x = \frac{80 + 80}{2}$$
$$= 80$$

So the median of the data was 80

c. Mode

By paying attention to the calculation above, it means that in teaching speaking before using peer tutorial has satisfied based on the categorize value. The ability of the students in speaking ability before using peer tutorial is called the expectation standard score. It shows in the score of each indicators.. The following table shows the data distribution of teaching speaking ability before using peer tutorial method:

Range = Highest score – Lowest score = 95 – 65 = 30 Number of class (k) = 1 + (3.3) (Log_N) = 1 + (3.3) (Log_{40}) = 1 + (3.3) (1.60) = 1 + 5.28 = 6.28 Interval (i) = $\frac{R}{K}$ = $\frac{30}{6.28}$ = 4.7 = 5

Table 3

The Distribution Frequency in Speaking Ability before Using

Peer Tutorial Method

No	Interv al	Freq uenc y	Freque ncy Cumul ative	Perc enta ge
1	65 – 69	3	3	7.5 %
2	70 – 74	4	7	10 %
3	75 – 79	5	12	12.5 %
4	80 – 84	13	25	32.5 %

5	85 – 89	7	32	7.5 %
6	90 – 94	5	37	12.5 %
7	95 – 100	3	40	7.5 %
Tota 1	40		100%	

Based on the frequency distribution above, the writer has found that the students who get the score 95 - 100, they are 3 students or 7.5%, while the students who get the score 85 - 89, they are 7 students or 17.5%, the score 80 - 84 are 13 students or 32.5%, the score 75 - 79 are 5 students or 12.5%, the score 70 - 74 are 4 students or 10%, and the last score 65-69 are 3 students or 7.5%.

By paying attention to the calculation above, the mean, median and mode of using discussion method in teaching speaking ability. The students'speaking ability by using peer tutorial method is still almost complete.

The following table showed the data distribution for the students in speaking ability by using peer tutorial method.

Range = Highest score – Lowest score

Number of class (k) = 1 + (3.3) (Log_N)

$$= 1 + (3.3) ($$

$$Log_{40})$$

$$= 1 + (3.3) ($$

$$(1.60)$$

$$= 1 + 5.28$$

$$= 6.28$$
Interval (i) = $\frac{R}{K}$

$$= \frac{30}{6.28}$$

$$= 4.7$$

$$= 5$$

Based on the frequency distribution above, it had found that the students who got the score 85 - 89, they were 3 students or 7.5%, while the students who got the score 80 - 84, they were 4 students or 10%, the score 75 - 79 were 5 students or 12.5%, the score 70 - 74 were 12 students or 30%, 65 - 69 were 8 students or 20%, the score of 60 - 64 were 5 students of 12.5%, and the last score 55 - 59, they were 3 or 7.5%.

The calculation of the data of speaking ability taught before using peer tutorial method at the grade VIII SMP Negeri 2 Angkola Timur.

- a. Mean in pre-test $M_{x} = \frac{\sum X}{N} = \frac{3220}{40} = 80.5$
- b. Standard deviation in pre-test

$$SD_X = \sqrt{\frac{\sum X_1^2}{N}}$$

$$\mathrm{SD}_{\mathrm{X}} = \sqrt{\frac{2540}{40}}$$

$$SD_X = \sqrt{63.5}$$

$$SD_{X} = 7.96$$

c. Standard error in pre-test

$$SE_{MX} = \frac{SD_x}{\sqrt{N-1}}$$

$$SE_{MX} = \frac{7.96}{\sqrt{39}}$$

$$SE_{MX} = \frac{7.96}{6.24}$$

$$SE_{MX} = 1.27$$

2. The calculation of the data of speaking ability in post-test of SMP Negeri 2 Angkola Timur.

a. Mean in post-test

$$M_y = \frac{\sum X}{N} = \frac{2775}{40} = 69.3$$

b. Standard deviation of Posttest

$$SD_{Y} = \sqrt{\frac{\sum Y_{1}^{2}}{N}}$$

$$\mathrm{SD}_{\mathrm{Y}} = \sqrt{\frac{2559.6}{40}}$$

$$SD_{Y} = \sqrt{63.9}$$

$$SD_{Y} = 7.9$$

c. Standard Error of post-test

$$SE_{MY} = \frac{SD_{Y}}{\sqrt{N-1}}$$
$$SE_{MY} = \frac{7.9}{\sqrt{39}}$$
$$SE_{MY} = \frac{7.9}{6.24}$$
$$SE_{MY} = 1.26$$

3. The calculation of Standard errors of X and Yvariables, and calculation to get the score of t_0 of SMP Negeri 2 Angkola Timur.

a. The calculation of Standard
errors of X and Yvariables
by using formula as follows:
$$SE_{M1} - SE_{M2} = \sqrt{SEMX^2 + SEMY^2}$$
$$= \sqrt{1.06^2 + 1.07^2}$$
$$= \sqrt{1.1236 + 1.1449}$$
$$= \sqrt{2.2685}$$
$$= 1.51$$

b. The score of t_0 by applying the formula as follows :

$$t_{o} = \frac{M_{X} - M_{Y}}{SE_{MX} - SE_{MY}}$$
$$= \frac{79 - 73}{1.50}$$
$$= \frac{6}{1.51}$$
$$= 3.97$$

Based on the previous calculation, it has found that the coefficient of $t_0 = 3.97$. It is compared with the score of t_t on degree of freedom (df) 78 or (N₁ + N₂-2) = 40 + 40 -2 = 78. The score of t_t is 1.99 at 5% significant degree. It means that the score of t_0 is greater than the score of t_t namely = 3.97 >1.99. It meant, there was Significant Effect of Using Peer Tutorial Method in Speaking Ability at SMP Negeri 2 Angkola Timur In other words, the hypothesis is accepted

DISCUSSION

In doing the research, the researcher had tried to use as much as possible ways in order to make the research better, however, this research is still not perfect in which there are certainly many mistakes and weakness of the research such as lack of knowledge, the way of writing, the instruments of the test which are not good, the calculation, the data analysis, funding and timing. Besides that, the researcher realizes that there are some weaknesses from the student's condition, and concentration in answering the question and the writer hopes the teacher can increase the method in teaching English especially in teaching speaking ability so the students can increase their achievement and increase successful teaching.

In spite of those weaknesses, however, the researcher can make it as the first experience to do further research. Hopefully, this research might be as a reference for other researchers in carrying out other research.

CONCLUSION AND SUGGESTION

1. Conclusion

Based on the result of this research, the conclusion can be formulated as follows:

- a. The result of the data description shows that the mean scores of students result in pre-test can be said that the criteria is very good.
- b. The result of the data description shows that the mean scores of students result in pre-test can be said that the criteria is enough
- c. There is an effect of using peer tutorial in teaching speaking ability of SMP Negeri 2 Angkola Timur.

2. Suggestions

Looking to the conclusions above, there were many suggestions which could be applied on this research. The suggestions were created to have connection with students, teacher of English, and other people who interested on this research. To make it clear, the suggestions were showed into following statements.

a. The teacher must give stimulation or support for students who get difficulties to make concluding, to praise students who active in peer tutorial method process.

- b. Teaching speaking ability by using peer tutorial method will be better if the students effective in getting the trainees to think constructively while increasing with the rest of their learning process.
- c. Further, research applies the result of this study as ground to make other research, to improvement of teaching English.

REFERENCES

- Allyn and Bacon, 1999, Active Learning 101 Strategies to Teach Any Subject, Masschussetts : A Simon & Schuster Company.
- Barras, Robert, 2006, Speaking Your Self, A Guide for Students New York: Routledge.
- Daradjat Z, et.al., 2008,*Metodik Khusus Pengajaran Agama Islam*, Jakarta: Bumi Aksara.
- Grugeon,Elizabeth, et.al., 2000, *Teaching Speaking & Listening in the Primary School,* London: David Fulthon Publisher.
- Hedge, Tricia, 2008, *Teaching and Learning in the Language Classroom*, New York: Oxford University Press.

Louma, Sari,2009, Assesing Speaking, New York: Cumbridge University Press.

- McCarten, Jeanne, 2007, *Teahing Vocabulary, Lesson from the Corpus, Lesson for the Classroom,* New York: Cambridge University Press.
- Nation, I.S.P., and Jonathan Newton, 2009, *Teaching ESL/EFL Listening and Speaking*, New York: Routledge.
- Permen Diknas RI No 22 Thn 2006, 2006, *Tentang Standar Isi*, Jakarta : Depdiknas.

Ramayulis, 2001,*Metodologi Pengajaran Agama Islam*, Jakarta: Kalam Mulia.

Sagala S, 2003, *Konsep dan Makna Pembelajaran*, Bandung: Alfabeta.

- Taber, Keith, 2007, Class Room-based Research, Evidance-based Practise, A Student's Guide, London: Sage Published.
- Vandana, et.al., 2006, Doing Development Research, London: SAGE Publication, Ltd.